



National Weather Service

Storm Data and Unusual Weather Phenomena



December 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property		Crops	Character of Storm
					Killed	Injured					

CONNECTICUT, Northeast

CTZ002>004

Hartford - Tolland - Windham

05	2200EST	0	0	Winter Storm
07	0900EST			

A major winter storm brought heavy snow and strong winds to southern New England, dumping 1 to 3 feet of snow over a large area as it tracked slowly off the coast. In northern Connecticut, snowfall amounts averaged between 12 and 20 inches, and had a major disruption on transportation due to the combination of poor visibility and snow covered roads. Dozens of minor accidents were reported.

Officially, the snowfall total at Bradley International Airport in Windsor Locks was 19.0 inches. Other snowfall totals, as reported by trained spotters, included 20 inches in East Killingly and Dayville; 19 inches in Stafford Springs; 18 inches in Woodstock; 14 inches in Manchester, Eastford, and Putnam; and 12 inches in East Hartford, New Britain, and Vernon.

CTZ002-002

Hartford

19	1815EST	0	0	Flood
21	1800EST			

Connecticut River at Hartford

Minor flooding occurred on the lower Connecticut River as a result of rain and snowmelt. The Connecticut River at Hartford crested at 16.3 feet at 615 am on the 20th, which was just above its 16 flood stage of 16 feet. At Middletown, the river crested at 8.2 feet at 1 pm on the 20th, just above its flood stage of 8 feet.

No flood damage was reported.

CTZ002-002

Hartford

26	1000EST	0	0	Flood
29	1000EST			

Connecticut River at Hartford

Minor flooding once again occurred on the lower Connecticut River, from the combination of rain, snowmelt, and tidal influences. At Hartford, the river crested at 17.6 feet at 915 am on the 27th, which exceeded its flood stage of 16 feet. At Middletown, a crest of 9.6 feet was observed at 700 pm on the 28th, which was above its flood stage of 8 feet.

Flooding was limited to low lying areas along the river. No significant flood damage was reported

MASSACHUSETTS, Central and East

MAZ002>024

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

05	2200EST	0	0	Winter Storm
07	0900EST			

MAZ007-015>016-019-022 **Eastern Essex - Suffolk - Eastern Norfolk - Eastern Plymouth - Barnstable**

06	2200EST	0	0	50K	Storm Surge
	2300EST				

MAZ022

Barnstable

07	0015EST	0	0	High Wind (MG50)
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A major winter storm brought heavy snow and strong winds to southern New England, dumping 1 to 3 feet of snow over a large area as it tracked slowly off the coast. In Massachusetts, snowfall amounts averaged 1 to 2 feet across most of the state, with as little as 6 to 12 inches near Cape Cod and the Islands, where most of the snow fell early in the storm before an eventual change to rain. Pockets of 28 to 35 inch amounts fell near Interstate 95 in Boston's southwest suburbs, as well as to the north of Boston from Everett to Peabody. The highest snowfall total reported was 36 inches in Peabody.



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MASSACHUSETTS, Central and East

Seas as high as 30 feet just off the eastern Massachusetts coast combined with an astronomically high tide to produce minor coastal flooding from Cape Ann through Scituate and Hull to Provincetown.

A peak wind gust of 58 mph was reported at Provincetown during the height of the storm.

There was one death indirectly attributed to the storm. A commuter-rail worker was struck by a freight train as he was clearing snow from the tracks near the Wellesley Hills station.

Official snowfall totals from the storm included 25.9 inches at the National Weather Service Office in Taunton, 24.3 inches at Blue Hill Observatory in Milton, 16.9 inches at Logan International Airport in Boston, and 14.2 inches at Worcester Airport.

Other snowfall totals, as reported by trained spotters, included 32 inches in Beverly; 30 inches in Topsfield; 29 inches in Everett; 27 inches in Swampscott; 25 inches in Malden and Wakefield; 24 inches in Brockton, East Mansfield, Foxborough, Needham, Randolph, and North Andover; 23 inches in Beverly, Manchester, Reading, East Cambridge, Westwood, and Norwood; 21 inches in Ashfield, Easton, Dover, Dedham, Walpole, and Jamaica Plain; 18 inches in Monson, West Brookfield, Stoneham, Bridgewater, and Seekonk; 14 inches in Leverett, Montgomery, Springfield, Warren, Fitchburg, Littleton, Billerica, Framingham, Gloucester, and Somerset; 12 inches in Whately, Ware, Worthington, Longmeadow, Southwick, Granville, Leicester, Spencer, Southbridge, Tewksbury, Lincoln, and Duxbury; 11 inches in West Falmouth; 8 inches in Eastham; 7 inches on Nantucket; and 6 inches in West Tisbury.

MAZ002>006-008>010

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Western Hampshire - Western Hampden - Eastern Hampshire

14 1200EST 0 0 Winter Storm
15 1100EST

Low pressure tracking from the mid Atlantic states to southeast New England brought heavy snow and strong winds to Massachusetts. Snowfall totals of 6 to 10 inches were widely observed from the east slopes of the Berkshires into north central and interior northeast Massachusetts. Locations along and south of the Massachusetts Turnpike received lesser amounts, on the order of 3 to 6 inches, since warmer air coming in off the ocean caused the snow to change to rain.

Heavy snow across the interior combined with strong winds to produce dangerous travel conditions, due to the combination of falling snow and 40 to 50 mph winds. This resulted in dozens of minor traffic accidents throughout the region.

Official snowfall totals from the storm included 7.0 inches at Worcester Airport, 4.4 inches at Logan International Airport in Boston, and 3.8 inches at the National Weather Service Office in Taunton.

Other snowfall totals, as reported by trained spotters, included 11 inches in Goshen and Russell; 10 inches in Northfield; 8 inches in Ashfield, Orange, Leverett, South Hadley, Ashburnham, and Pepperell; 7 inches in Montgomery, Westfield, Westhampton, Bolton, Littleton, Groton, Reading, Haverhill, Methuen, and North Andover; and 6 inches in Greenfield, Colrain, Amherst, Springfield, West Brookfield, Fitchburg, Tyngsboro, Acton, Topsfield, and Newburyport.

NEW HAMPSHIRE, Southern

NHZ011>012

Cheshire - Hillsborough

05 2200EST 0 0 Winter Storm
07 0900EST

A major winter storm brought heavy snow and strong winds to southern New England, dumping 1 to 3 feet of snow over a large area as it tracked slowly off the coast. In southwest New Hampshire, snowfall amounts averaged 12 to 20 inches, and had a major disruption on transportation due to the combination of poor visibility and snow covered roads. Dozens of minor accidents were reported.



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NEW HAMPSHIRE, Southern

Some specific snowfall totals, as reported by trained spotters, included 24 inches in Franconia; 23 inches in East Alstead and Marlow; 21 inches in Hillsborough; 20 inches in Rindge; 19 inches in Keene and Westmoreland; 18 inches in Bennington, Peterborough, and Weare; 16 inches in Swanzey and Greenfield; 15 inches in Winchester and South Weare; and 11 inches in Hudson.

NHZ011>012

Cheshire - Hillsborough

14 1200EST
15 1100EST

0 0

Winter Storm

Low pressure tracking from the mid Atlantic coast to southeast New England brought heavy snow and strong winds to southwest New Hampshire. Snowfall totals of 6 to 10 inches were widely reported in Cheshire and Hillsborough Counties, along with winds of 35 to 45 mph. The combination of falling snow and strong winds created dangerous travel conditions, and there were many reports of minor accidents.

Some specific snowfall totals, as reported by trained spotters, included 13 inches in Franconia; 11 inches in Temple; 10 inches in Westmoreland; 9 inches in Greenfield, Milford, Peterborough, and South Weare; 8 inches in Rindge, New Ipswich, Hudson, and Manchester; and 6 inches in Winchester, East Alstead, Hillsborough, and Wilton.

RHODE ISLAND

RIZ001>007

Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport

05 2200EST
07 0900EST

0 0

Winter Storm

A major winter storm brought heavy snow and strong winds to southern New England, dumping 1 to 2 feet of snow over a large area as it tracked slowly off the coast. In Rhode Island, snowfall amounts averaged between 10 and 20 inches, and had a major disruption on transportation due to the combination of poor visibility and snow covered roads. Dozens of minor accidents were reported.

Two deaths were indirectly attributed to the storm. One man was killed when the inner tube he was riding in, towed behind a truck, hit a utility pole. Another man was killed when he was hit by a train while crossing the tracks on a snowmobile in Exeter.

Officially, the snowfall total at T.F. Green State Airport in Warwick was 17.0 inches.

Other snowfall totals, as reported by trained spotters, included 21 inches in North Foster; 19 inches in Johnston; 18 inches in downtown Providence and West Warwick; 16 inches in Cranston and North Kingstown; 15 inches in South Kingstown and Barrington; 14 inches in Woonsocket; 12 inches in Exeter and Westerly; and 8 inches in Hope Valley.